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|   |   |    |   | Application Number       | 10/008,893                |
|   |   |    |   | Filing Date              | November 13, 2001         |
|   |   |    |   | First Named Inventor     | Alvin C. Allen, Jr.       |
|   |   |    |   | Group Art Unit           | 2683                      |
|   |   |    |   | Examiner Name            | Gutierrez Perez-Gutierrez |
| Sheet   | 1 | of | 7 | Attorney Docket Number   | 069131.0114               |

|       |          | U.S. PATENT DOCUMENTS |                       |                      |                                   |   |  |   |
|-------|----------|-----------------------|-----------------------|----------------------|-----------------------------------|---|--|---|
| Class | Subclass | Examiner Initials*    | Cite No. <sup>1</sup> | U.S. Patent Document |                                   | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|       |          |                       |                       | Number               | Kind Code <sup>2</sup> (if known) |   |  |   |
| 340   | 426      | R.P.G.                | AA                    | 5,917,405            |                                   | Joao  | 06/29/1999                                       | RECEIVED<br>JUN 03 2002<br>Technology Center 2600                         |
| 340   | 426      | R.P.G.                | AB                    | 5,939,975            |                                   | Tsuriy et al.                                   | 08/17/1999                                       |   |
| 340   | 990      | R.P.G.                | AC                    | 5,973,618            |                                   | Ellis   | 10/26/1999                                       |   |
| 342   | 352      | R.P.G.                | AD                    | 6,297,768            | B1                                | Allen, Jr.                                      | 10/02/01   |   |
| 342   | 357.09   | R.P.G.                | AE                    | 5,418,537            |                                   | Bird  | 05/23/95   |   |
| 455   | 412      | R.P.G.                | AF                    | 5,546,444            |                                   | Roach, Jr., et al.                              | 08/13/96   |   |
| 340   | 58.1     | R.P.G.                | AG                    | 5,838,237            |                                   | Revell, et al.                                  | 11/17/98   |   |
| 455   | 458      | R.P.G.                | AH                    | 5,873,043            |                                   | Comer   | 02/16/99   |   |
| 340   | 338      | R.P.G.                | AI                    | 5,898,391            |                                   | Jefferies, et al.                               | 04/27/99   |   |
| 342   | 357.07   | R.P.G.                | AJ                    | 5,223,844            |                                   | Mansell, et al.                                 | 06/29/93   |   |
| 340   | 990      | R.P.G.                | AK                    | 5,334,974            |                                   | Simms, et al.                                   | 08/02/94   |   |

| FOREIGN PATENT DOCUMENTS |          |                    |                       |                         |                      |                                   |   |  |  |                |
|--------------------------|----------|--------------------|-----------------------|-------------------------|----------------------|-----------------------------------|---|--|--|----------------|
| Class                    | Subclass | Examiner Initials* | Cite No. <sup>1</sup> | Foreign Patent Document |                      |                                   | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear | T <sup>6</sup> |
|                          |          |                    |                       | Office <sup>3</sup>     | Number <sup>4</sup>  | Kind Code <sup>5</sup> (if known) |   |  |  |                |
| G01S                     | 5/00     | R.P.G.             | AL                    | EPO                     | <del>0421704</del>   |                                   |   | 04/10/91   |  |                |
| H04B                     | 7/26     | R.P.G.             | AM                    | GB                      | <del>2271486</del>   |                                   |   | 04/13/94   |  |                |
| G08B                     | 13/00    | R.P.G.             | AN                    | GB                      | <del>2274188</del>   |                                   |   | 07/13/94   |  |                |
| H04B                     | 7/26     | R.P.G.             | AO                    | JP                      | <del>06-85727</del>  |                                   |   | 03/25/94   |  |                |
| G01S                     | 5/14     | R.P.G.             | AP                    | JP                      | <del>06-308218</del> |                                   |   | 11/04/94   |  |                |
| G01S                     | 5/14     | R.P.G.             | AQ                    | EPO                     | <del>0 242 099</del> |                                   |   | 10/21/87   |  |                |

|                    |                               |                  |        |
|--------------------|-------------------------------|------------------|--------|
| Examiner Signature | <i>Rafael Perez-Gutierrez</i> | Dated Considered | 8/1/02 |
|--------------------|-------------------------------|------------------|--------|

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|   |                           |           |   | <b>Application Number</b>   | 10/008,893          |  |
|   |                           |           |   | <b>Filing Date</b>          | November 13, 2001   |  |
|   |                           |           |   | <b>First Named Inventor</b> | Alvin C. Allen, Jr. |  |
|   |                           |           |   | <b>Group Art Unit</b>       | 2683                |  |
| <b>Examiner Name</b>  | Gutierrez Perez-Gutierrez |           |   |                             |                     |  |
| <b>Attorney Docket Number</b>   | 069131.0114               |           |   |                             |                     |  |
| <b>Sheet</b>  | 2                         | <b>of</b> | 7 |                             |                     |  |

|       |          | U.S. PATENT DOCUMENTS |                       |                      |                                   |   |  |   |
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|       |          |                       |                       | Number               | Kind Code <sup>2</sup> (if known) |   |  |   |
| 455   | 456      | R.P.G.                | AR                    | 5,396,540            |                                   | Gooch   | 03/07/95   | RECEIVED<br>JUN 03 2002<br>Technology Center 2600                         |
| 455   | 440      | R.P.G.                | AS                    | 5,422,813            |                                   | Schuchman, et al.                               | 06/06/95   |   |
| 455   | 556      | R.P.G.                | AT                    | 5,479,482            |                                   | Grimes  | 12/26/95   |   |
| 340   | 7.1      | R.P.G.                | AU                    | 5,490,200            |                                   | Snyder, et al.                                  | 02/06/96   |   |
| 340   | 988      | R.P.G.                | AV                    | 5,497,149            |                                   | Fast  | 03/05/96   |   |
| 340   | 988      | R.P.G.                | AW                    | 5,515,043            |                                   | Berard, et al.                                  | 05/07/96   |   |
| 340   | 988      | R.P.G.                | AX                    | 5,572,204            |                                   | Timm, et al.                                    | 11/05/96   |   |
| 340   | 988      | R.P.G.                | AY                    | 5,629,693            |                                   | Janky   | 05/13/97   |   |
| 342   | 457      | R.P.G.                | AZ                    | 4,651,157            |                                   | Gray, et al.                                    | 03/17/87   |   |
| 705   | 400      | R.P.G.                | BA                    | 5,797,134            |                                   | McMillan, et al.                                | 08/18/98   |   |
| 377   | 58       | R.P.G.                | BB                    | 4,688,244            |                                   | Hannon, et al.                                  | 08/18/87   |   |

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| FOREIGN PATENT DOCUMENTS |          |                    |                       |                         |                                      |                                      |   |   |  |                |
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|                          |          |                    |                       | Office <sup>3</sup>     | Number <sup>4</sup>                  | Kind Code <sup>5</sup><br>(if known) |   |   |  |                |
| G02B                     | 25/10    | R.P.G.             | BC                    | DE                      | <del>DE</del> 19733579 <del>X</del>  |                                      | Schmidt, et al.                                 | 02/04/99  |  |                |
| B60R                     | 5/04     | R.P.G.             | BD                    | EPO                     | <del>EP</del> 0799753 <del>X</del>   |                                      | Graf  | 10/08/97  |  |                |
| G01S                     | 1/02     | R.P.G.             | BE                    | FR                      | <del>FR</del> 2718532 <del>X</del>   |                                      | Loisel  | 10/13/95  |  |                |
| B60R                     | 25/10    | R.P.G.             | BF                    | GB                      | <del>GB</del> 2279478 <del>X</del>   |                                      | Hunter, et al.                                  | 01/04/95  |  |                |
| H04Q                     | 7/32     | R.P.G.             | BG                    | JP                      | <del>JP</del> 409200855 <del>X</del> |                                      |   | 07/31/97  |  |                |
| G06F                     | 17/60    | R.P.G.             | BH                    | JP                      | <del>JP</del> 410096765 <del>X</del> |                                      |   | 04/14/98  |  |                |

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| <b>Examiner Signature</b> |  | <b>Dated Considered</b> | 8/9/02 |
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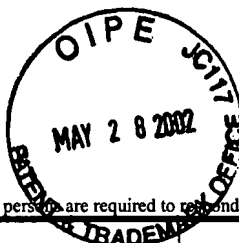
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|   |                                    |    |   | Filing Date              | November 13, 2001   |
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|   |                                    |    |   | Group Art Unit           | 2683                |
| Examiner Name   | <i>Gutierrez Perez - Gutierrez</i> |    |   |                          |                     |
| Sheet   | 3                                  | of | 7 | Attorney Docket Number   | 069131.0114         |

| U.S. PATENT DOCUMENTS |          |                    |                       |                      |                                   |   |
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|                       |          |                    |                       | Number               | Kind Code <sup>2</sup> (if known) |   |
| 485                   | 404      | R.P.G.             | BI                    | 4,750,197            |                                   | Denekamp/et al.   |
| 340                   | 990      | R.P.G.             | BJ                    | 5,808,564            |                                   | Simms/et al.  |
| 342                   | 457      | R.P.G.             | BK                    | 5,777,580            |                                   | Janky/et al.  |
| 342                   | 357.1    | R.P.G.             | BL                    | 5,786,789            |                                   | Janky   |
| 340                   | 426      | R.P.G.             | BM                    | 5,929,752            |                                   | Janky/et al.  |
| 340                   | 825.49   | R.P.G.             | BN                    | 6,069,570            |                                   | Herring   |
| 340                   | 825.49   | R.P.G.             | BO                    | 5,940,004            |                                   | Fulton  |
| 340                   | 426      | R.P.G.             | BP                    | 5,640,139            |                                   | Egeberg   |
| 340                   | 573.4    | R.P.G.             | BQ                    | 5,652,570            |                                   | Lepkofker   |
| 342                   | 357.07   | R.P.G.             | BR                    | 5,673,305            |                                   | Ross  |
| 340                   | 426      | R.P.G.             | BS                    | 5,682,133            |                                   | Johnson/et al.  |

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| FOREIGN PATENT DOCUMENTS |       |                    |                       |                         |                     |                                   |   |  |  |                |
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| G06F                     | 17/60 | R.P.G.             | BT                    | JP                      | X410307879          |                                   |   | 07/31/97   |  |                |
| G06F                     | 17/60 | R.P.G.             | BU                    | JP                      | X410307879          |                                   |   | 11/17/98   |  |                |
| H04Q                     | 1/30  | R.P.G.             | BV                    | WO                      | X96/26614           |                                   |   | 08/29/96   |  |                |
| H04Q                     | 7/22  | R.P.G.             | BW                    | WO                      | X98/00988           |                                   |   | 01/08/98   |  |                |
| H04Q                     | 7/22  | R.P.G.             | BX                    | WO                      | X00/44185           |                                   |   | 07/27/00   |  |                |
| H04B                     | 7/198 | R.P.G.             | BY                    | WO                      | X95/13943           |                                   | Snyder, et al.                                  | 05/26/95   |  |                |

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| Examiner Signature | <i>Rafael Perez - Gutierrez</i> | Dated Considered | 8/9/02 |
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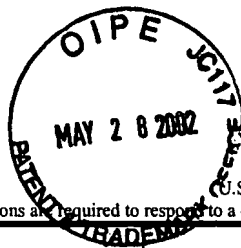
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| Sheet   | 4 | of | 7 | Attorney Docket Number   | 069131.0114                          |

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| 342                   | 357.1    | R.P.G.             | BZ                    | 5,736,962                      |                                   | Tendler   |
| 340                   | 573.1    | R.P.G.             | CA                    | 5,742,233                      |                                   | Hoffman et al.  |
| 701                   | 211      | R.P.G.             | CB                    | 5,742,509                      |                                   | Goldberg et al.   |
| 342                   | 457      | R.P.G.             | CC                    | 5,760,742                      |                                   | Branch et al.   |
| 307                   | 10.2     | R.P.G.             | CD                    | 5,811,886                      |                                   | Majmudar Majmudar   |
| 342                   | 357.09   | R.P.G.             | CE                    | 5,825,327                      |                                   | Krasner Krasner   |
| 455                   | 414      | R.P.G.             | CF                    | 5,845,203                      |                                   | LaDue   |
| 340                   | 989      | R.P.G.             | CG                    | 5,914,675                      |                                   | Tognazzini  |
| 455                   | 404      | R.P.G.             | CH                    | 5,918,172                      |                                   | Saunders et al.   |
| 340                   | 426      | R.P.G.             | CI                    | <del>5,929,086</del> 5,926,086 |                                   | Escareno et al.   |
| 455                   | 440      | R.P.G.             | CJ                    | 5,930,713                      |                                   | Nguyen  |

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| 5015                     | 5/10  | R.P.G.             | CK                    | WO                      | 009517686A          |                                   | 06/29/95   |  |
| 660K                     | 11/02 | R.P.G.             | CL                    | WO                      | 009609941A          |                                   | 07/31/97   |  |
| 608G                     | 1/127 | R.P.G.             | CM                    | WO                      | 89612264A           |                                   | 04/25/96   |  |
| 6015                     | 5/14  | R.P.G.             | CN                    | WO                      | 009801769A          |                                   | 01/15/98   |  |
| H04B                     | 7/125 | R.P.G.             | CO                    | WO                      | 009808314A          |                                   | 02/26/98   |  |
| H04H                     | 11/00 | R.P.G.             | CP                    | WO                      | 009812862A          |                                   | 03/26/98   |  |

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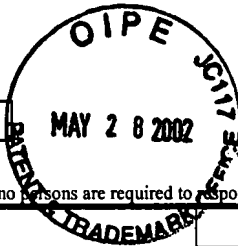
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|   |   |    |   | Application Number       | 10/008,893                         |
|   |   |    |   | Filing Date              | November 13, 2001                  |
|   |   |    |   | First Named Inventor     | Alvin C. Allen, Jr.                |
|   |   |    |   | Group Art Unit           | 2683                               |
|   |   |    |   | Examiner Name            | <i>Gutierrez Perez - Gutierrez</i> |
| Sheet   | 5 | of | 7 | Attorney Docket Number   | 069131.0114                        |

| U.S. PATENT DOCUMENTS |          |                    |                       |                      |                                   |   |  |   |
|-----------------------|----------|--------------------|-----------------------|----------------------|-----------------------------------|---|--|---|
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| 340                   | 995      | R.P.G.             | CQ                    | 5,933,100            |                                   | Golding   | 08/03/99   |   |
| 340                   | 573.4    | R.P.G.             | CR                    | 6,054,928            |                                   | Lemelson/et al.                                 | 04/2000  |   |
| 342                   | 357.07   | R.P.G.             | CS                    | 5,751,246            |                                   | Hertel  | 05/12/98   |   |
| 701                   | 207      | R.P.G.             | CT                    | 5,794,174            |                                   | Davis Janky et al                               | 08/11/98   |   |
| 379                   | 88.25    | R.P.G.             | CU                    | 5,539,810            |                                   | Kennedy, III, et al.                            | 07/1996  |   |
| 485                   | 412      | R.P.G.             | CV                    | 5,544,225            |                                   | Kennedy, III, et al.                            | 08/1996  |   |
| 485                   | 456      | R.P.G.             | CW                    | 5,771,455            |                                   | Kennedy, III, et al.                            | 06/1998  |   |
| 485                   | 456      | R.P.G.             | CX                    | 6,240,295            | B1                                | Kennedy, III, et al.                            | 10/1998 05/2000                                  |   |
| 485                   | 456      | R.P.G.             | CY                    | 5,826,195            |                                   | Westerlage, et al.                              | 10/1998  |   |
| 485                   | 12.1     | R.P.G.             | CZ                    | 5,588,038            |                                   | Snyder  | 12/1996  |   |
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|                          |          |                    |                       | Office <sup>3</sup>     | Number <sup>4</sup> | Kind Code <sup>5</sup><br>(if known) |   |  |  |                |
| 660R                     | 28/10    | R.P.G.             | DA                    | EPO                     | 0748727             |                                      |   | 12/18/96   |  |                |
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| Examiner Signature | <i>Rafael Perez - Gutierrez</i> | Dated Considered | 8/9/02 |
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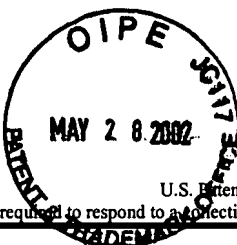
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|   |   |    |   | Application Number       | 10/008,893                |
|   |   |    |   | Filing Date              | November 13, 2001         |
|   |   |    |   | First Named Inventor     | Alvin C. Allen, Jr.       |
|   |   |    |   | Group Art Unit           | 2683                      |
|   |   |    |   | Examiner Name            | Gutierrez Perez-Gutierrez |
| Sheet   | 6 | of | 7 | Attorney Docket Number   | 069131.0114               |

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| R.P.B.   | DB                    | Cellemetry, <a href="http://www.cellemetry.com/html/techoverview.html">http://www.cellemetry.com/html/techoverview.html</a> , "Measurement Alarm Monitoring Remote Control Location/GPS", Technical Overview, Jan. 1999, page 1.                               |                |
| R.P.B.   | DC                    | Cellemetry, <a href="http://www.cellemetry.com/html/systemdes.html">http://www.cellemetry.com/html/systemdes.html</a> , "Measurement Alarm Monitoring Remote Control Location/GPS", System Description, Oct. 1998, pgs. 1-3.                                   |                |
| R.P.B.   | DD                    | Cellemetry, <a href="http://www.cellemetry.com/html/glossory.html">http://www.cellemetry.com/html/glossory.html</a> , "Measurement Alarm Monitoring Remote Control Location/GPS", Glossary, 1998, pgs. 1-2.  |                |
| R.P.B.   | DE                    | Motorola, "GT Plus Oncore, GPS Receiver", Sept. 1, 1998.   |                |
| R.P.B.   | DF                    | Motorola, "SL Oncore, GPS Receiver", April 3, 1998.  |                |
| R.P.B.   | DG                    | Motorola, "Oncore, Evaluation Kits", April 3, 1998.  |                |
| R.P.B.   | DH                    | Motorola, "RF Oncore, GPS Module", Sept. 1, 1998.  |                |
| R.P.B.   | DI                    | Motorola, "Oncore, GPS ChipSet", April 3, 1998.  |                |
| R.P.B.   | DJ                    | Motorola, Semiconductor Technical Data, "GPS Digital Correlator", 1997, pgs. 1-10.   |                |
| R.P.B.   | DK                    | Motorola, Semiconductor Technical Data, "Integrated GPS Downconverter", 1997.  |                |
| R.P.B.   | DL                    | Motorola, "New Chip Enables Paging To Industrial Equipment", Aug. 31, 1998, pgs. 1-3.  |                |

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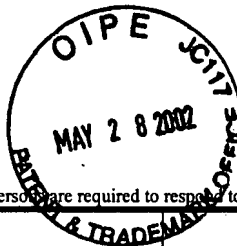
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|  |   |    |   | Group Art Unit           | 2683                             |
|  |   |    |   | Examiner Name            | <i>Gutierrez-Perez-Gutierrez</i> |
| Sheet  | 7 | of | 7 | Attorney Docket Number   | 069131.0114                      |

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| <i>R.P.G.</i>                                      | DM                    | Motorola, "M-CORE Processor Architecture", 1998, pg. 1.  |                |
| <i>R.P.G.</i>                                      | DN                    | SAT-TRAX, <a href="http://www.sat-trax.com/news.htm">http://www.sat-trax.com/news.htm</a> , "Sat-Trax International Locates Stolen Vehicles by Computer Through GPS Satellite and Cellular Link", August 1, 1998, pgs. 1-2.                                    |                |
| <i>R.P.G.</i>                                      | DO                    | Standard Communications, "CRM4100 Cellular Radio Module for AMPS", October 8, 1997, pgs. 1-7.  |                |
| <i>R.P.G.</i>                                      | DP                    | Hassell, Greg. "Cheap insurance comes at a price." The Houston Chronicle, Section C, November 3, 1999.   |                |
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